





Insights from Malawi, Rwanda, and Zambia on how partnerships in Scotland support the SDGs



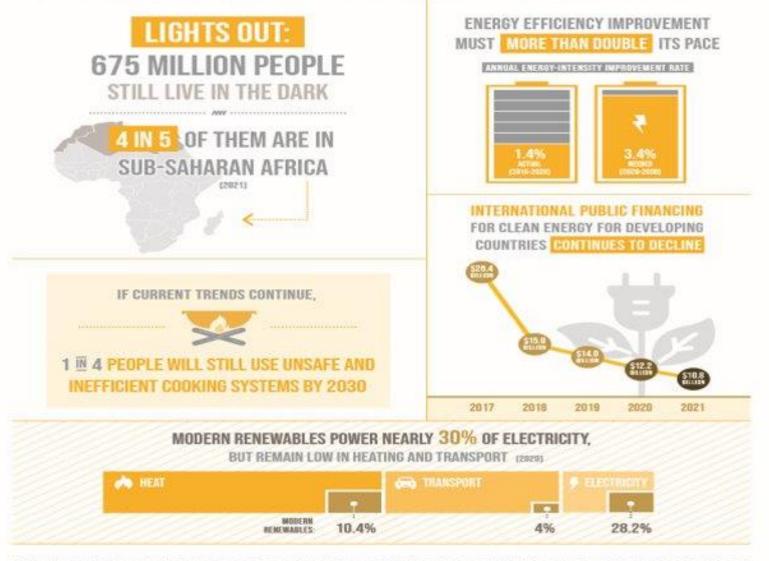




FRANCES GUY Chief Executive Scotland's International Development Alliance



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THE SUSTAINABLE DEVELOPMENT GOALS REPORT 2023: SPECIAL EDITION- UNSTATS.UN.ORG/SDGS/REPORT/2023/

IMAGINE WINNING







Insights from Malawi, Rwanda, and Zambia on how partnerships in Scotland support the SDGs







STUART GALLOWAY Professor of Compact Power Systems University of Strathclyde







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THE FACULTY OF ENGINEERING

www.strath.ac.uk/engineering

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The Scottish Government Global Renewables Centre A New Platform for Knowledge Exchange



Stuart Galloway Damien Frame 23rd February 2024



https://www.strath.ac.uk/workwithus/sgglobalrenewablescentre/





Study with us 🗸 Work with us 🗸

✓ Why Strathclyde? ✓

☆ > Work with us > SG Global Renewables Centre

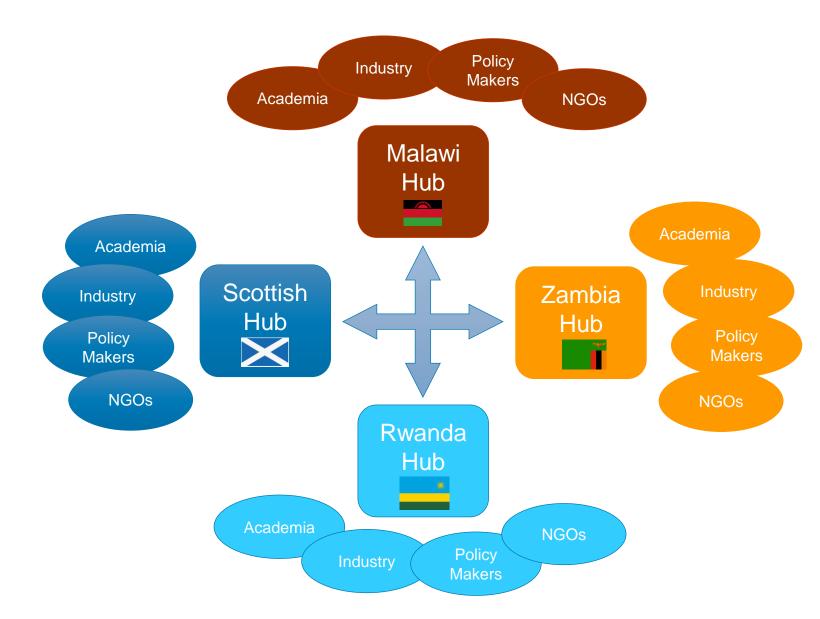
SG Global Renewables Centre



Our mission

The Global Renewables Centre (GRC) will provide a hub for facilitating knowledge exchange between stakeholders in international development partner countries and the Scottish Renewable Sector, offering networking, shared learning, and resources that enhance global citizenship and enables increased deployment of sustainable energy. The GRC is hosted online by Strathclyde University and funded by the Scottish Government.

Decentralised Approach

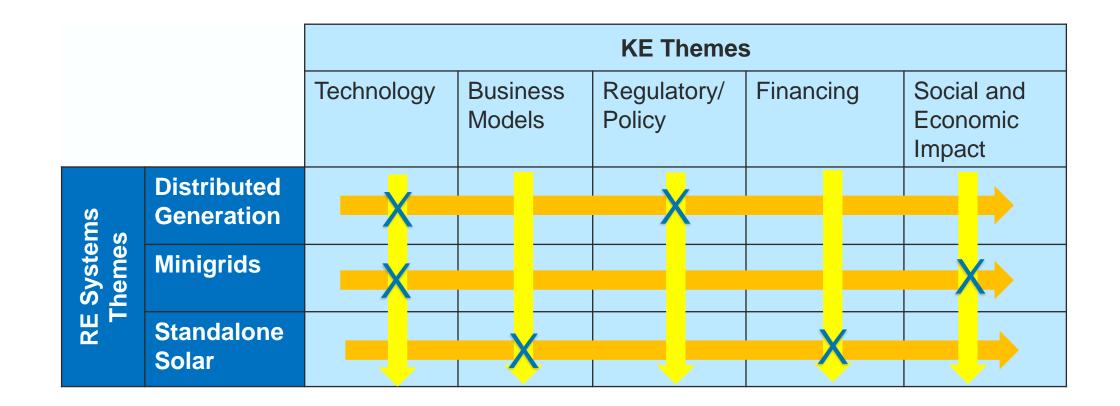


Status

- Stakeholder consultations
- Strategy documents
- Funding secured
- Partnerships established
 - Zambia Renewable Energy Association (ZARENA)
 - Renewable Energy Industry Association of Malawi (REIAMA)
 - Energy Private Developers Association (EPD)
- Initial activities underway

Global Renewables Centre

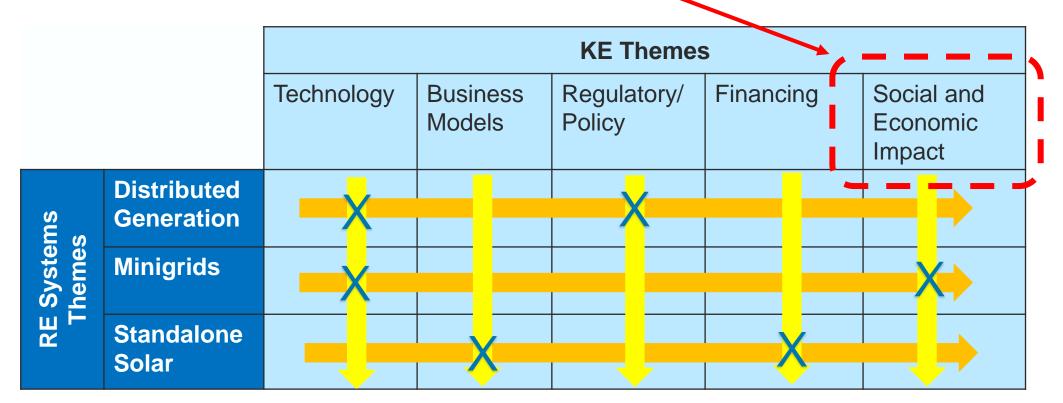
Communities of Practice



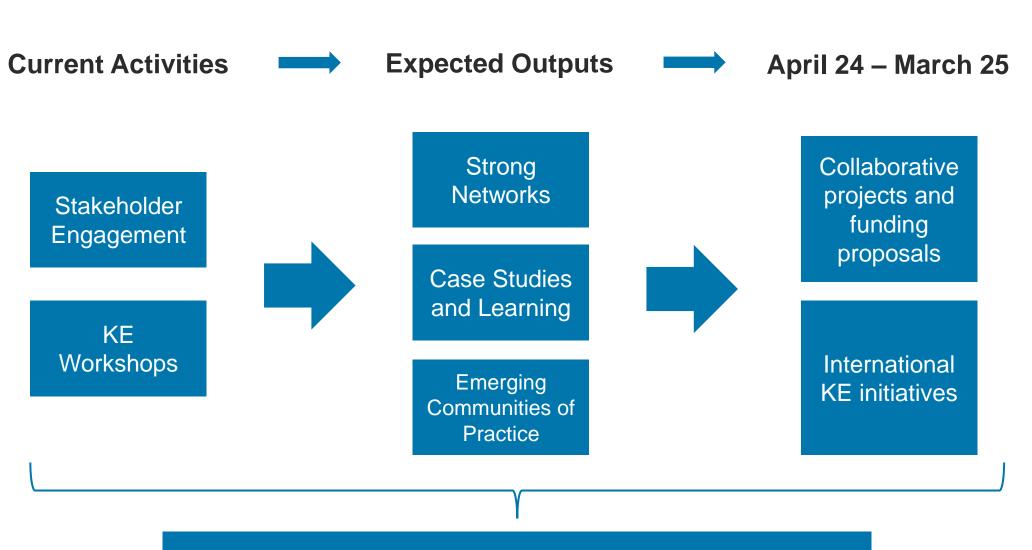
Global Renewables Centre

Cross Cutting Themes:

- Gender Mainstreaming
- Climate Justice



Timeline



GRC online resources: Connect, Learn, Explore

University of Strathclyde Engineering







SOUSTAIN CHIGALU President of REIAMA Malawi



MALAWI



Renewable Energy Industries Association of Malawi (REIAMA)



Outline

- 1. About REIAMA
- 2. Partners
- 3. Impact Areas
- 4. Climate Change Crisis



1. About REIAMA

REIAMA

Renewable Energy Industries Association of Malawi (REIAMA) is a national industry association for all renewable energy sectors in Malawi. REIAMA was founded in 1999 and registered in 2000

To become the most efficient and reliable centre for information, research and promotion of all renewable energy technologies in Malawi benefitting end users, members and all stakeholders

Mission

Vision

To promote efficient and sustainable use of renewable energy technologies in Malawi to the satisfaction of the end users and all stakeholders



Solar, hydro, wind, biomass/biogas, geothermal, hydrogen, clean and efficient cookstoves and other new technologies
Open membership - Corporates, NGOs, local and international institutions, Individuals, Students





Energy Catalyst Round 9 Brokerage Visit to Malawi, July 2022

2023 National Energy Conference October 2023, Sunbird Livingstonia Beach, Salima, Malawi

23 MALAWI NATIONAL ENERGY CONFERENCE

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Lobbying & Advocacy

> REIAMA BOARD WITH OFFICIALS FROM THE MINISTIRES OF FINANCE, ENERGY, TRADE & INDUSTRY AND MALAWI REVENUE AUTHORITY LOBBYING FOR DUTY AND VAT EXEMPTIONS ON RENEWABLE ENERGY PRODUCTS, 26 JANUARY 2024, SUNBIRD LIVINGSTONIA BEACH HOTEL, SALIMA

Innovation & Collaboration

Mthembanji Solar Minigrid, Dedza, Malawi University of Strathclyde, UP / Self Help Africa & BNG Electrical Contractor



Contact Us Today

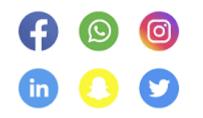


Website: www.reiama.org

E-mail: info@reiama.org; president@reiama.org

BabaJee House, Behind NBS Bank, Area 3, Lilongwe, Malawi

Website: www.reiama.org









CHIKUKU KATEBE GRC Project Lead for Zarena Zambia



"EMPOWERING ZAMBIA'S RENEWABLE ENERGY FUTURE"

OVERVIEW OF ACTIVITIES, MEMBERSHIP, AND PRIORITIES

PRESENTATOR: CHIKUKU KATEBE DATE: 23/02/2024

OVERVIEW OF ZARENA

- Formed in 2017 to support Zambia's shift to sustainable energy
- Mission is to facilitate renewable energy adoption through advocacy, capacity building, research, and investment mobilization
- Governed by a Board comprising government, private sector, civil society, and technical experts

ACTIVITIES AND PROGRAMS

- Organizing energy conferences, workshops, training programs, and events
- Conducting studies and surveys to inform policy decisions
- Developing partnerships with universities and research institutes
- Engaging policymakers on regulatory framework and incentives
- Implementing public renewable energy awareness campaigns
- Facilitating investments in new renewable energy projects

PARTNERS

GOVERNMENT

- Ministry of Energy
- Ministry of Education
- Ministry of Green Economy and Environment
- Ministry of Science and Technology

PROGRAMS

- Energy Sector Advisory Group (ESAG)
- Off-Grid Task Force (OGTF)
- Zambia Energy Gender Network

SCHOOLS

The University of Zambia













ACTIVITIES AND PROGRAMS



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ZARENA'S MEMBERSHIP NETWORK

- 70+ students, 30+ individuals/professionals, 5+ company members
- Leverages positions in key sector advisory boards like Zambia Gender and Energy Network
- Engages broad range of stakeholders from government, private companies, communities



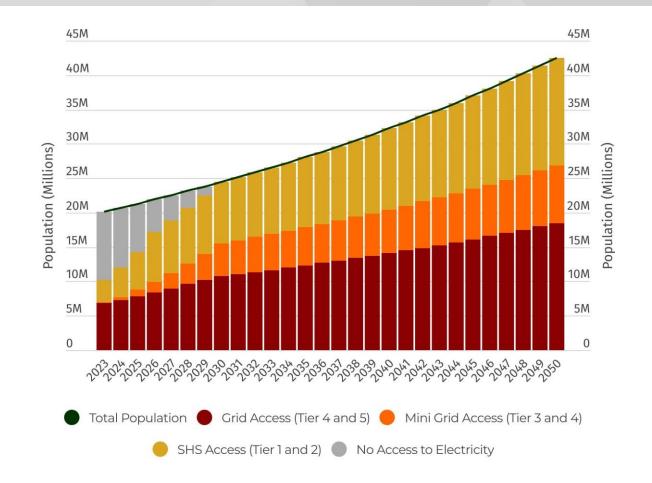
PRIORITY AREAS FOR ZAMBIA'S RENEWABLE ENERGY SECTOR

- Public and private partnership for new renewable energy projects
- Building local skills and expertise through training programs and research
- Focus Energy for Productive Use (mainly Agriculture)
- Business models and financing
- Job creation, economic opportunity and value chain participation in renewable energy deployment
- Inclusion of Gender, Disability and Youth
- Climate resilience and adaption

PRIORITY AREAS FOR ZAMBIA'S RENEWABLE ENERGY SECTOR

Off-Grid solutions at an estimated cost of **\$3.9Bn** will provide energy to 57% of Zambia's population by 2030 using renewable sources, with the remaining 43% being grid connected.

Distributed renewable energy solutions are cost-effective alternatives to grid connectivity in access planning.



PARTNERSHIP WITH UNIVERSITY OF STRATHCLYDE

- Establish Renewables Collaboration Hub (GRC) in Zambia
- Will create knowledge exchange ecosystem with communities of practice, workshops, research linkages
- Focus on empowering youth, women, and marginalized groups
- Accelerate just energy transition through innovation and context-specific solutions
- Project focus
 - Select one or two demo sites
 - Develop as a consortium (investors, renewable energy specialists, researchers)



THANK YOU



www.zarenayp.org







SERGE WILSON MUHIZI CEO of EPD Rwanda



PITCH DECK

FROM CLIMATE POLICY TO CLIMATE ACTION



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ABOUT EPD



All homes in Rwanda have access to modern energy and economic growth is powered by an environmentally sustainable energy sector.





YOUR PARTNER FOR ENERGY IN RWANDA

Energy Private Developers is a registered Rwandan professional association under an NGO statute grouping over 150 private companies operating in the Rwandan energy sector.

Enable Enterprises, Investors, Government and Donors to achieve a universal energy access in Rwanda through effective coordination, in an environment in which private sector can innovate, grow and thrive.



OBJECTIVES

- Collaborate with the Rwandan Government in formulation of policy and practices that achieve universal energy access in the most economical way.
- Advocate and help build, a positive working environment for the Private Sector
- Forge strong partnerships between the Private and the Public Sector

EPD Organization Chart

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EPD Major Achievements

Energy Private Developers (EPD) Establishment

- The establishment of the Energy Sector Association in Rwanda.
- Office setup, staff hiring from 1-10 in different departments.
- Members recruitment and registration from 25 Founding Members to over 150 in 2023.
- Establishing partnerships with stakeholders.

Capacity Building

- Over 1,000 Sales Agents were trained and deployed countrywide to support campanies sales acceleration in off-grid area.
- More than 500 Staffs from different Energy companies were trained on various topics (Climate Finance and Carbon Market, Access to finance, Technical part in Hydro, Clean cooking, Etc.)

Organizing Conferences

- Renewable Energy for Sustainable growth Edition 1, 2 and 3
- Matchmaking and B2B
- Energy Business Dialogues
- Trade missions
- Public Private Dialogues(PPD)

2013

Policy Change Advocacy

- Advocacy for Off-grid market.
- Advocate for different subsidies in Solar Home system and Mini-grids.
- Standardization and Policy change for solar energy.
- Tax exemption on solar home systems ,Etc

Partnership Agreements

- With different Government Ministries and Agencies
- With Higher Learning Institutions
- Regional renewable Associations
- International Renewable Associations
- GOGLA
- TVET Schools
- Developments partners.

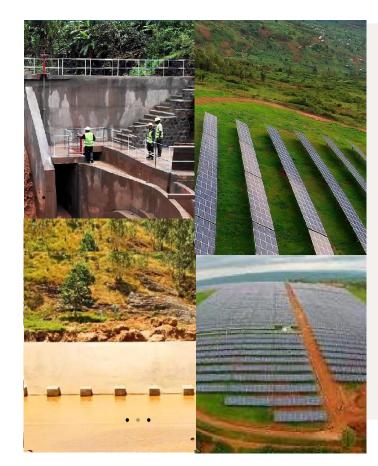
2023

Digital and Physical Campaign

- Raising awareness on the use of Renewable Energy Technologies to the End Users.
- Raising Awareness on the Access to Clean Cooking.
- Raising Awareness to Rwandan local leaders about the use of Renewable Energy.

EPD SUB-SECTORS





- 1. Hydro-Power subsector
- 2. Solar subsector
- 3. Mini-Grid and C&I Sub-Sector
- 4. E-Mobility Sub-Sector
- 5. Clean Cooking Sub-Sector
- Productive use of Renewable Energy(PURE) Sub-Sector

- 7. Energy Female Inclusion(EFI) Sub-Sector
- 8. Professional services and Scientists Sub-Sector
- 9. Methane Gas sub-Sector
- 10. Liquified Petroleum Gases(LPG) Sub-sector

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EPD Projected Revenue Model

Donations / Grants

EPD seeks Donations and Grants from Individuals, Foundations and International Organizations interested in promoting renewable energy, clean cooking, green transport development, energy efficiency and climate change in Rwanda.

Membership Fees

EPD charges membership fees to Private Companies that wish to join the Association.

Capacity Building / Paid Training

EPD provides a various range of Trainings, Technical Support to its members and stakeholders in the Energy Sector.

Desk of Data, Innovation and research Development

EPD seeks to Build partnerships with local and International Energy Experts to develop Green Research Funding Projects, Feasibility Studies, Project Design that will contribute in the climate change mitigation.

Investments

EPD seeks to make investments in Renewable Energy Projects by Connecting Local Investors with Impact and Angel Investors.

Conference and Trade Missions

EPD seeks to keep Organizing Annual National and Regional Renewable Energy Conferences Exhibition, matchmaking B2B,B2C,B2F,Trade Missions, Energy Sector Dialogues, Workshops



Partnership signing agreement



Ethiopian Energy State Minister Visit EPD



Chairman Dr. Ivan T on behalf of EPD signed the MOU with Chinese Renewable Association



MOU signed between Rwanda Energy Group and EPD



Conferences, Exhibition and Trade missions



Partnership with Regional Associations

MOU with KEREA

MOU with BUREA





Capacity Building programs









Contact us

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Thank You

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We look forward to having you onboard



Q&A











BREAK







Insights from Malawi, Rwanda, and Zambia on how partnerships in Scotland support the SDGs

surgery for children

Courtney Ludick MEng

Biomedical Engineer













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BEN WILSON Director of Public Engagement SCIAF



Q&A











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Networking and Drinks Reception